

Appendix B

Performance Measures



San Joaquin Valley State Route 99 Business Plan
Performance Measures for Route 99 Projects
Data for Productivity/System Preservation/Return on Investment-Life Cycle Cost-District 6

							PRODUCTIVITY										SYSTEM PERFORMANCE			RETURN ON INVESTMENT /LIFE CYCLE COST
CO	PM From/To	EA	FROM	TO	FUNDING STATUS	PROJECT DESCRIPTION	Average Peak Period Vehicle Trips	Average Daily Vehicle Trips that are (6+ axle) trucks	Percentage of Average Daily Vehicle Trips that are (6+ axle) Trucks	Average Daily Vehicle Trips	Average Daily Vehicle Trips - 20 years (2025)	Level Of Service	Level Of Service with Project Improvement (2025)	Route Concept Level Of Service	Meets Route Concept Level Of Service	Total Number of Distressed Lane Miles	Percentage of Distressed Lane Miles	Performance Improvement Indicator HIGH-MEDIUM-LOW	Benefit-Cost Ratio	
KER	13.4	22.6	NONE	Bear Mountain Blvd	Ming Ave	Candidate	Phased Widening 6F to 8F	5,800	7,046	7.0%	100,000	168,000	D	E	D	NO	10.8	20%	MED	0.8
KER	18.5		06-0C930K	Hoskins Road		Candidate	Interchange Improvements	5,800	7,046	7.0%	100,000	168,000	D	E	D	NO	N/A	N/A		7.4
KER	22.6	23.2	06-46011K	Ming Ave	EB SR 58	Candidate	Construct Auxiliary Lane	11,700	19,276	15.9%	121,000	193,700	D	D/E	D	YES	6	50%	MED	0.7
KER	23.9	24.6	06-46012K	California Ave	WB SR 58	Candidate	Construct Auxiliary Lane	11,700	19,276	15.9%	121,000	193,700	D	D/E	D	YES	6	50%	MED	0.6
KER	27.9		06-49710K	Olive Dr		Candidate	Interchange Improvements	7,100	20,300	21.4%	95,000	185,000	D	F	D	NO	N/A	N/A		1.5
KER	R30.5		06-43350I	7th Standard Rd		Programmed	Interchange Improvements	6,200	16,301	26.3%	62,000	126,700	C	F	D	NO	N/A	N/A		0.9
TUL	0.00	16.0	NONE	Kern Co Line	South of Tipton	Candidate	Widen from 4F to 6F	4,250	7,895	15.9%	49,500	83,200	D	D	C	NO	7.2	7%	LOW	1.3
TUL	16.0	25.4	NONE	South of Tipton	Ave 200	Candidate	Widen from 4F to 6F	4,250	7,895	15.9%	49,500	83,200	D	D	C	NO	7.2	7%	LOW	2
TUL	26.3	27.6	06-43040K	At Commercial Ave	At Agri-Center	Candidate	Construct New Interchange	4,850	8,299	18.9%	44,000	79,600	C	D	C	NO	N/A	N/A		0.2
TUL	25.4	30.5	06-48950K	Avenue 200	Prosperity Ave	Candidate	Widen from 4F to 6F	5,100	8,748	19.9%	44,000	79,600	C	D	C	NO	2.6	13%	MED	0.1
TUL	27.6		06-33990K	Paige Ave		Candidate	Interchange Improvements	4,500	8,714	20.3%	43,000	77,800	C	D	C	NO	N/A	N/A		0
TUL	30.6	41.3	06-360200	Prosperity Ave	Goshen OH	Programmed	Widen from 4F to 6F	4,300	8,638	16.9%	51,000	92,300	C	D	D	YES	9.2	22%	MED	0.8
TUL	31.9		06-33220K	Cartmill Ave		Candidate	Interchange Improvements	4,050	8,818	19.6%	45,000	81,400	C	D	D	YES	N/A	N/A		0
TUL	36.4		06-48740K	Caldwell Ave		Candidate	Interchange Improvements	4,300	8,818	19.6%	45,000	81,400	C	D	D	YES	N/A	N/A		0
TUL	40.1		06-47150K	Betty Dr		Candidate	Construct Interchange	4,450	9,145	17.9%	51,000	92,300	C	D	D	YES	N/A	N/A		0
TUL	41.3	53.9	06-324500	Goshen OH	Fresno Co Line	Candidate	Widen from 4F to 6F	4,450	9,145	17.6%	52,000	81,200	C/D	D	C	NO	7.5	12%	MED	0.1
FRE	00.0	00.7	06-324500	Tulare Co Line	SR 201	Candidate	Widen from 4F to 6F & Widen Bridge to 6F	4,450	8,774	16.9%	52,000	98,800	C	D	D	NO	2.1	75%	HIGH	0.1
FRE	06.5		NONE	Floral Rd/SR 43		Candidate	Replace Bridge Structure & Floral Rd	7,000	12,347	22.0%	56,000	101,300	C	D	D	YES	N/A	N/A		0.2
FRE	15.8		NONE	Central Ave/Chestnut Ave		Candidate	Interchange Improvements	8,750	13,099	14.7%	89,000	149,600	D	E	D	NO	N/A	N/A		0
FRE	15.8	18.5	NONE	Central Ave	Jensen Ave	Candidate	Widen from 6F to 8F	8,850	12,508	13.7%	91,000	153,000	D	F	D	NO	1	6%	LOW	0.5
FRE	16.8	17.3	NONE	Cedar Ave/North Ave		Candidate	Interchange Improvements	8,800	11,917	13.1%	91,000	153,000	D	F	D	NO	N/A	N/A		0.1
FRE	18.5	26.6	NONE	Jensen Ave	Ashlan Ave	Candidate	Widen from 6F to 8F	10,400	11,053	9.1%	122,000	267,200	E	F	D	NO	0	0%	LOW	1.5
FRE	20.3		NONE	Ventura Ave		Candidate	Interchange Improvements	8,900	9,636	12.0%	80,000	155,800	D	E	D	NO	N/A	N/A		0
FRE	20.5	21.0	NONE	Tuolumne Ave	Stanislaus St	Candidate	Interchange Improvements	8,900	9,636	12.0%	80,000	155,800	D	E	D	NO	N/A	N/A		0.9
FRE	20.7	24.4	06-39210K	Fresno St	Clinton Ave	Candidate	Construct NB & SB Auxiliary Lanes	10,900	9,938	7.7%	129,000	251,200	F	F	D	NO	0	0%	LOW	3.6
FRE	26.6	31.6	06-44260K	Ashlan Ave	Madera Co Line	Candidate	Widen from 4F to 6F	5,900	9,504	14.9%	64,000	147,600	D	F	D	NO	0	0%	LOW	0.7
FRE	27.3	28.3	06-44270	Shaw Ave		Candidate	Interchange Improvements	5,100	9,550	14.9%	64,000	147,600	D	F	D	NO	N/A	N/A		0.4
FRE	30.5		06-36190	Veterans Blvd		Candidate	Construct Interchange	5,100	8,804	14.7%	60,000	138,400	D	F	D	NO	N/A	N/A		0.6
MAD	00.0	7.5	06-44260K	Fresno Co Line	Avenue 12	Candidate	Widen from 4F to 6F	5,800	9,108	14.9%	61,000	130,800	D	F	D	NO	2.1	19%	MED	1.5
MAD	07.5	12.8	06-47090K	Avenue 12	Avenue 16	Candidate	Widen from 4F to 6F	5,800	9,029	13.7%	66,000	159,800	D	F	D	NO	6	28%	MED	1.1
MAD	R7.10	R7.90	06-47100K	Avenue 12		Candidate	Interchange Improvements	5,300	8,804	14.9%	59,000	137,000	D	F	D	NO	0	0%	LOW	0.4
MAD	9.1	9.8	06-40720I	Route 99/Gateway Drive		Programmed	Interchange Improvements	5,500	9,029	15.6%	58,000	121,500	C	E	D	NO	N/A	N/A		0.7
MAD	9.7	10.7	NONE	Route 99/145		Candidate	Interchange Improvements	5,500	9,029	15.6%	58,000	121,500	C	E	D	NO	N/A	N/A		0.2
MAD	12.3	14.3	06-48920K	Ellis Ave Interchange	Avenue 17	Candidate	Remove existing and const new interchange	5,700	10,122	17.0%	59,000	133,400	C	F	D	NO	1.3	16%	MED	0.9
MAD	12.8	20.5	NONE	Avenue 16	Avenue 21 1/2	Candidate	Widen from 4F to 6F	5,500	9,504	16.1%	59,000	149,900	E	F	D	NO	4.3	14%	MED	2.2
MAD	19.6	22.6	06-29330I	Ave 21	SR 99/152	Programmed	Widen 4E to 6F with interchange at Ave 22	5,200	8,986	16.6%	54,000	137,200	D	F	C	NO	12	77%	HIGH	1.6
MAD	21.7	23.7	NONE	SR 152		Candidate	Construct Interchange & Rail Crossing	5,200	8,986	23.3%	38,500	97,800	C	E	C	NO	N/A	N/A		0.8
MAD	26.1	27.2	NONE	Route 99/233		Candidate	Reconstruct Interchange	3,750	8,098	20.5%	39,500	110,500	C	F	C	NO	3.8	14%	MED	0.2
MAD	22.7	29.4	NONE	SR 152	Merced Co Line	Candidate	Widen from 4F to 6F	3,750	8,098	20.5%	39,500	110,500	C	F	C	NO	3.8	14%	MED	0.7

1/9/2006

Figure B.1 Productivity and System Preservation Performance Measures for District 6



San Joaquin Valley State Route 99 Business Plan
Performance Measures for Route 99 Projects
Data for Productivity/System Preservation/Return on Investment-Life Cycle Cost-District 10

							PRODUCTIVITY										SYSTEM PRESERVATION					RETURN ON INVESTMENT LIFE CYCLE COST
CO	PM To/From	EA	FROM	TO	FUNDING STATUS	PROJECT DESCRIPTION	Average Peak Period Vehicle Trips	Average Peak Period Vehicle Trips Multiplied by the Occupancy Rate	Average Daily Vehicle Trips Multiplied by the Occupancy Rate	Average Daily Vehicle Trips that are (5+ axle) Trucks	Percentage of Average Daily Vehicle Trips that are (5+ axle) Trucks	Average Daily Vehicle Trips	Average Daily Vehicle Trips - 20 years (2025)	Level Of Service (2004)	Level Of Service with Project Improvement (2025)	Route Concept Level Of Service	Meets Route Concept Level Of Service	Total Number of Distressed Lane Miles	Percentage of Distressed Lane Miles with Project Improvement	Performance Improvement Indicator HIGH-MEDIUM-LOW	Benefit-Cost Ratio	
MER	0	4.6	10-415500	MADERA CO. LINE	BUCHANAN HOLLOW RD.	PROGRAMMED	CONVERT 4 LANE E TO 6 LANE F ON 8 LANE F. R/W ALIGNMENT	4,150	5,354	52,116	8,565	21%	40,400	66,000	C	C	C	Yes	2.9	16%	MED	0.2
MER	4.6	10.5	10-415700	BUCHANAN HOLLOW RD.	0.5 KM N. OF MCHENRY RD.	PROGRAMMED	CONVERT 4 LANE E TO 6 LANE F ON 8 LANE F. R/W ALIGNMENT	4,200	5,418	52,245	8,565	21%	40,500	68,500	C	C	C	Yes	1.5	6%	LOW	0.2
MER	12.6	17.6	NONE	S. CHILDS AVE	BLACK RASCAL CREEK	CANDIDATE	CONVERT 4F TO 6 F	5,200	6,708	64,887	7,755	16	50,300	79,350	D	D	C	Yes				0.3
MER	17.6	21.3	NONE	BLACK RASCAL CREEK	EAST ATWATER OH	CANDIDATE	CONVERT 4F TO 6F	6,020	7,766	70,563	6,936	13	54,700	88,700	D	E	C	No				0.2
MER	21.3	24	NONE	EAST ATWATER OH	WEST ATWATER OH	CANDIDATE	CONVERT 4F TO 6F	4,200	5,418	54,180	7,010	17	42,000	68,100	C	C	C	Yes				0.6
MER	23.8	26.5	10-414801	0.4 KM N. OF ATWATER OH	0.4 KM S. OF ARENA WAY	PROGRAMMED	CONVERT 4 LANE E TO 5 LANE F ON 8 LANE F. R/W ALIGNMENT	4,550	5,870	55,599	7,306	17%	43,100	76,500	C	D	C	No	7.6	70%	HIGH	1.1
MER	26.8	36.4	none	LIVINGSTON	S. OF THE MERCED/STANISLAUS	CANDIDATE	CONVERT 4F TO 6F	6,150	7,934	72,111	7,306	13%	55,900	102,200	D	F	C-D	No	9.7	32%	MED	1.5
STA	1.4	none	SR-99 @ SR-165 (LANDER AVE)			CANDIDATE	MODIFY INTERCHANGE	6,700	8,643	79,980	7,306	12%	62,000	172,500	D	F	D	No	N/A	N/A		0.6
STA	R3.2	R4.0	10-0F410K	WEST MAIN STREET		CANDIDATE	RECONSTRUCT INTERCHANGE	8,050	10,385	98,685	7,306	10%	76,500	155,000	D	F	D	No	N/A	N/A		0.5
STA	9.7	10.9	10-1A8900	0.5 KM S.	1.0KM N. OF MITCHELL RD.	PROGRAMMED	RECONSTRUCT INTERCHANGE	8,750	11,288	127,839	8,854	9%	99,100	158,850	D	F	D	No	N/A	N/A		0.4
STA	R10.0	R13.2	10-0E560K	MITCHELL ROAD	HATCH ROAD	CANDIDATE	WIDEN 6F TO 8F	9,750	12,578	129,129	8,867	9%	100,100	175,300	E	F	D	No	N/A	N/A		0.9
STA	R13.2	R15.1	10-0E560K	HATCH ROAD	TUOLUMNE BLVD	CANDIDATE	WIDEN 6F TO 8F	11,250	14,513	141,126	8,474	8%	109,400	194,700	F	F	D	No	N/A	N/A		1.4
STA	R15.1	R16.8	10-0E560K	TUOLUMNE BLVD	Kansas Ave	CANDIDATE	WIDEN 6F TO 8F	11,300	14,577	157,380	9,070	7%	122,000	232,500	F	F	D	No	N/A	N/A		1.2
STA	R16.8	R18.5	10-0E560K	KANSAS AVE	CARPENTER ROAD	CANDIDATE	WIDEN 6F TO 8F	13,200	17,028	163,830	10,801	9%	127,000	255,650	F	F	D	No	N/A	N/A		2.5
STA	R18.5	R24.7	10-0E560K	CARPENTER ROAD	SAN JOAQUIN COUNTY LINE	CANDIDATE	WIDEN 6F TO 8F	11,720	15,119	150,156	10,245	9%	116,400	244,180	F	F	D	No	N/A	N/A		5.8
STA	R11.3		10-0E560K	PINE STREET			RECONSTRUCT INTERCHANGE	8,800	11,352	126,420	8,480	9%	98,000	172,200	D	F	D	No	N/A	N/A		0.3
STA	15.6	17.5	10-403500	RTE 132	Kansas Ave	PROGRAMMED	ROUTE 132 EXPRESSWAY RECONSTRUCTION	12,100	15,609	161,444	8,565	7%	125,150	244,550	F	F	D	No	N/A	N/A		8.7
STA	R11.9		10-2A7701	CITY OF CERES AT WHITMORE OC		PROGRAMMED	RECONSTRUCT INTERCHANGE	10,800	13,932	129,645	8,480	8%	100,500	220,300	F	F	D	No	N/A	N/A		2
STA	14.9	15.6	10-0H770K	SR-99 @ SR-132		CANDIDATE	MODIFY INTERCHANGE	11,100	14,319	157,380	10,801	9%	122,000	243,250	F	F	D	No	N/A	N/A		0.8
STA	19.9		none	SR-99 @ STANDIFORD		CANDIDATE	MODIFY INTERCHANGE	13,500	17,415	166,410	11,059	9%	129,000	273,850	F	F	D	No	N/A	N/A		0.5
STA	R21.9	R23.2	10-0L330K	KEIRNAN AVENUE		CANDIDATE	RECONSTRUCT INTERCHANGE	9,600	12,384	144,480	10,245	9%	112,000	236,850	E	F	D	No	N/A	N/A		1.4
STA	20.8	21.4	10-472100	PELANDALE AVE		PROGRAMMED	MODIFY INTERCHANGE	11,800	15,222	140,610	11,059	10%	109,000	159,000	F	F	D	No	N/A	N/A		0.2
STA	24.0	24.4	10-0L320K	HAMMETT ROAD		CANDIDATE	RECONSTRUCT INTERCHANGE	10,850	13,997	145,125	9,723	9%	112,500	232,400	F	F	D	No	N/A	N/A		0.3
SJ	5.3	15.0	10-0E610K	SR-120 IN MANTECA	ARCH RD. IN S. STOCKTON	CANDIDATE	WIDEN 4F TO 6F	8,050	10,385	94,428	9,858	13%	73,200	153,000	F	F	D	No	6.9	17%	MED	2.2
SJ	15.0	18.6	10-3A1000	0.6 KM N. OF ARCH RD	0.2 KM S. OF RTE 4 WEST	PROGRAMMED	WIDEN TO 6 LANES	10,000	12,900	112,101	5,820	7%	86,900	170,100	F	F	D	No	3.9	27%	MED	1.4
SJ	16.4	17.5	none	SR-99 @ MARIPOSA RD. AND FARMINGTON		CANDIDATE	RECONSTRUCT AND COMBINE INTERCHANGES (STAGES 1 & 2)	10,800	13,932	113,520	7,034	8%	88,000	186,150	F	F	D	No	N/A	N/A		0.4
SJ	23.5	24.5	10-0L140K	SR-99 @ MORAGA LAN IN STOCKTON		CANDIDATE	RECONSTRUCT INTERCHANGE	7,500	9,675	96,750	7,174	10%	75,000	136,300	C	F	D	No	N/A	N/A		0.2
SJ	25.2	25.4	10-0L130K	SR-99 @ EIGHT MILE RD. IN STOCKTON		CANDIDATE	RECONSTRUCT INTERCHANGE	6,850	8,579	95,460	7,174	10%	74,000	150,150	D	F	D	No	N/A	N/A		0.3
SJ	28.3		none	HARNEY RD.	SACRAMENTO COUNTY LINE	CANDIDATE	WIDEN 4F TO 6F	6,200	7,998	81,657	4,937	8%	63,300	126,700	E	F	D	No	16.2	39%	MED	1.6

1/8/2006

Figure B.2 Productivity and System Preservation Performance Measures for District 10



San Joaquin Valley State Route 99 Business Plan
Performance Measures for Route 99 Projects
Data for Safety/Mobility/Reliability-District 6

CO	PM To/From		EA	FROM	TO	FUNDING STATUS	PROJECT DESCRIPTION	SAFETY						MOBILITY			
								Fatal Accident Rate / Million Vehicle Miles (MVM)	Statewide Fatal Accident Rate / Million Vehicle Miles (MVM)	Level of Fatal Accident Rate	Accident Rate / Million Vehicle Miles (MVM)	Statewide Accident Rate / MVM	Level of Accident Rate	Passenger Hours of Delay / Year (x 1,000)	Passenger Hours of Delay / Year (With Project Improvements) (x 1,000)	Pct. Decrease (%)	Performance Improvement Indicator HIGH-MEDIUM-LOW
KER	13.4	22.6	NONE	Bear Mountain Blvd	Ming Ave	Candidate	Phased Widening 6F to 8F	0.008	0.008	LOW	0.890	0.590	MED	9700	750	1300	HIGH
KER	18.5		06-0C930K	Hoskins Road		Candidate	Construct New Interchange	N/A	N/A		N/A	N/A		1,830	423	430	LOW
KER	22.6	23.2	06-46011K	Ming Ave	EB SR 58	Candidate	Construct Auxiliary Lane	0.000	0.010	LOW	2.070	0.980	HIGH	1300	300	430	LOW
KER	23.9	24.6	06-46012K	California Ave	WB SR 58	Candidate	Construct Auxiliary Lane	0.000	0.010	LOW	2.070	0.980	HIGH	1300	300	430	LOW
KER	27.9		06-49710K	Olive Dr		Candidate	Interchange Improvements	N/A	N/A		N/A	N/A		1500	230	650	MED
KER	R30.5		06-433501	7th Standard Rd		Programmed	Interchange Improvements	N/A	N/A		N/A	N/A		900	140	640	MED
TUL	0.00	16.0	NONE	Kern Co Line	South of Tipton	Candidate	Widen from 4F to 6F	0.013	0.016	LOW	0.480	0.550	LOW	13700	1000	1370	HIGH
TUL	16.0	25.4	NONE	South of Tipton	Ave 200	Candidate	Widen from 4F to 6F	0.013	0.016	LOW	0.480	0.550	LOW	13700	1000	1370	HIGH
TUL	26.3	27.6	06-43040K	At Commercial Ave	At Agri-Center	Candidate	Construct New Interchange	N/A	N/A		N/A	N/A		1130	87	1300	HIGH
TUL	25.4	30.5	06-48950K	Avenue 200	Prosperity Ave	Candidate	Widen from 4F to 6F	0.000	0.009	LOW	0.690	0.820	LOW	2500	188	1330	HIGH
TUL	27.6		06-33990K	Paige Ave		Candidate	Interchange Improvements	N/A	N/A		N/A	N/A		1100	168	650	MED
TUL	30.6	41.3	06-360200	Prosperity Ave	Goshen OH	Programmed	Widen from 4F to 6F	0.013	0.012	MED	0.630	0.710	LOW	6200	573	1080	HIGH
TUL	31.9		06-33220K	Cartmill Ave		Candidate	Interchange Improvements	N/A	N/A		N/A	N/A		1000	81	1230	HIGH
TUL	36.4		06-48740K	Caldwell Ave		Candidate	Interchange Improvements	N/A	N/A		N/A	N/A		1000	81	1230	HIGH
TUL	40.1		06-47150K	Betty Dr		Candidate	Construct Interchange	N/A	N/A		N/A	N/A		1800	138	1300	HIGH
TUL	41.3	53.9	06-324500	Goshen OH	Fresno Co Line	Candidate	Widen from 4F to 6F	0.015	0.014	MED	0.590	0.540	LOW	8000	1230	650	MED
FRE	00.0	00.7	06-324500	Tulare Co Line	SR 201	Candidate	Widen from 4F to 6F & Widen Bridge to 6F	0.051	0.010	HIGH	1.200	0.900	HIGH	415	63	660	HIGH
FRE	06.5		NONE	Floral Rd/SR 43		Candidate	Replace Bridge Structure & Floral Rd	0.000	0.003	LOW	1.390	0.750	HIGH	1200	91	1320	HIGH
FRE	15.8		NONE	Central Ave/Chestnut Ave		Candidate	Interchange Improvements	N/A	N/A		N/A	N/A		1800	140	1290	HIGH
FRE	15.8	18.5	NONE	Central Ave	Jensen Ave	Candidate	Widen from 6F to 8F	0.004	0.009	LOW	0.940	0.780	MED	2500	200	1250	HIGH
FRE	16.8	17.3	NONE	Cedar Ave/North Ave		Candidate	Interchange Improvements	N/A	N/A		N/A	N/A		1000	107	930	MED
FRE	18.5	26.6	NONE	Jensen Ave	Ashlan Ave	Candidate	Widen from 6F to 8F	0.012	0.007	MED	1.380	0.760	HIGH	10000	771	1300	HIGH
FRE	20.3		NONE	Ventura Ave		Candidate	Interchange Improvements	N/A	N/A		N/A	N/A		800	62	1300	HIGH
FRE	20.5	21.0	NONE	Tuolumne Ave	Stanislaus St	Candidate	Interchange Improvements	N/A	N/A		N/A	N/A		1,800	275	430	LOW
FRE	20.7	24.4	06-39210K	Fresno St	Clinton Ave	Candidate	Construct NB & SB Auxiliary Lanes	0.014	0.006	HIGH	1.840	0.830	HIGH	5400	1000	540	LOW
FRE	26.6	31.6	06-44260K	Ashlan Ave	Madera Co Line	Candidate	Widen from 4F to 6F	0.003	0.009	LOW	1.130	0.690	HIGH	6600	508	1300	HIGH
FRE	27.3	28.3	06-44270	Shaw Ave		Candidate	Interchange Improvements	N/A	N/A		N/A	N/A		1800	424	420	LOW
FRE	29.4		06-36190	Veterans Blvd		Candidate	Construct Interchange	N/A	N/A		N/A	N/A		1800	425	420	LOW
MAD	00.0	7.5	06-44260K	Fresno Co Line	Avenue 12	Candidate	Widen from 4F to 6F	0.000	0.019	LOW	0.510	0.610	LOW	2000	155	1300	HIGH
MAD	07.5	12.8	06-47090K	Avenue 12	Avenue 16	Candidate	Widen from 4F to 6F	0.017	0.013	MED	0.740	0.830	LOW	4380	336	1300	HIGH
MAD	R7.10	R7.90	06-47100K	Avenue 12		Candidate	Interchange Improvements	N/A	N/A		N/A	N/A		2000	453	440	LOW
MAD	9.1	9.8	06-407201	Route 99/Gateway Drive		Programmed	Interchange Improvements	N/A	N/A		N/A	N/A		1550	240	650	MED
MAD	9.7	10.7	NONE	Route 99/145		Candidate	Interchange Improvements	N/A	N/A		N/A	N/A		1550	240	650	HIGH
MAD	12.3	14.3	06-48920K	Ellis Avenue Interchange		Candidate	Remove existing and const new interchange	N/A	N/A		N/A	N/A		1500	119	1260	HIGH
MAD	12.8	20.5	NONE	Avenue 16	Avenue 21 1/2	Candidate	Widen from 4F to 6F	0.013	0.017	LOW	0.610	0.630	LOW	6600	504	1310	HIGH
MAD	19.6	22.6	06-293301	Ave 21	SR 99/152	Programmed	Widen 4E to 6F with Interchange at Ave 22	0.029	0.024	MED	0.800	0.840	LOW	2300	180	1280	HIGH
MAD	21.7	23.7	NONE	SR 152		Candidate	Construct Interchange & Rail Crossing	0.040	0.005	HIGH	5.370	0.620	HIGH	1000	72	1390	HIGH
MAD	26.1	27.2	NONE	Route 99/233		Candidate	Reconstruct Interchange	0.011	0.013	LOW	0.660	0.590	MED	3700	285	1300	HIGH
MAD	22.7	29.4	NONE	SR 152	Merced Co Line	Candidate	Widen from 4F to 6F	0.011	0.013	LOW	0.660	0.590	MED	3700	285	1300	HIGH

Figure B.3 Safety and Mobility Performance Measures for District 6



San Joaquin Valley State Route 99 Business Plan
Performance Measures for Route 99 Projects
Data for Safety/Mobility/Reliability-District 10

CO	PM To/From	EA	FROM	TO	FUNDING STATUS	PROJECT DESCRIPTION	SAFETY					MOBILITY					
							Fatal Accident Rate / Million Vehicle Miles (MVM)	Statewide Fatal Accident Rate / Million Vehicle Miles (MVM)	Level of Fatal Accident Rate	Accident Rate / Million Vehicle Miles (MVM)	Statewide Accident Rate / MVM	Level of Accident Rate	Passenger Hours of Delay / Year X 1000	Passenger Hours of Delay / Year (With Project Improvements) X1000	Perct. Decrease (%)	Performance Improvement Indicator HIGH-MEDIUM-LOW	
MER	0	4.6	10-415800	MADERA CO. LINE	BUCHANAN HOLLOW RD.	PROGRAMMED	CONVERT 4 LANE E TO 6 LANE F ON 8 LANE F. R/W ALIGNMENT	0.005	0.020	LOW	0.340	0.770	LOW	1,949	88	2,270	HIGH
MER	4.6	10.5	10-415700	BUCHANAN HOLLOW RD.	0.5 KM N. OF MCHENRY RD.	PROGRAMMED	CONVERT 4 LANE E. TO 6 LANE F. ON 8 LANE F. R/W ALIGNMENT	0.004	0.020	LOW	0.530	0.770	LOW	2,561	113	2,270	HIGH
MER	12.6	17.6	NONE	S. CHILDS AVE	BLACK RASCAL CREEK	CANDIDATE	CONVERT 4F TO 6 F	N/A	N/A	N/A	0.860			3,357	734	460	LOW
MER	17.6	21.3	NONE	BLACK RASCAL CREEK	EAST ATWATER OH	CANDIDATE	CONVERT 4F TO 6F	N/A	N/A	N/A	0.650			2,748	156	1,760	HIGH
MER	21.3	24	NONE	EAST ATWATER OH	WEST ATWATER OH	CANDIDATE	CONVERT 4F TO 6F	N/A	N/A	N/A	0.780			1,184	52	2,280	HIGH
MER	23.8	26.5	10-414801	0.4 KM N. OF ATWATER OH	0.4 KM S. OF ARENA WAY	PROGRAMMED	CONVERT 4 LANE E. TO 5 LANE F. ON 8 LANE F. R/W ALIGNMENT	0.023	0.020	MED	0.77	0.86	LOW	1,286	38	3,380	HIGH
MER	28.8	36.4	none	LIVINGSTON	S. OF THE MERCED/STANISLAUS	CANDIDATE	CONVERT 4F TO 6F	0.011	0.015	LOW	0.490	0.750	LOW	6,059	233	2,600	HIGH
STA	1.4		none	SR-99 @ SR-165 (LANDER AVE)		CANDIDATE	MODIFY INTERCHANGE	N/A	N/A	N/A	0.580			2,429	93	2,610	HIGH
STA	R3.2	R4.0	10-0F410K	WEST MAIN STREET		CANDIDATE	RECONSTRUCT INTERCHANGE	N/A	N/A	N/A	0.740			959	37	2,640	HIGH
STA	9.7	10.9	10-1A6900	0.5 KM s.	1.0KM N. OF MITCHELL RD.	PROGRAMMED	RECONSTRUCT INTERCHANGE	N/A	N/A	N/A	0.750			1,603	62	2,640	HIGH
STA	R10.0	R13.2	10-0E560K	MITCHELL ROAD	HATCH ROAD	CANDIDATE	WIDEN 6F TO 8F	N/A	N/A	N/A	0.770			5,705	1,316	430	LOW
STA	R13.2	R15.1	10-0E560K	HATCH ROAD	TUOLUMNE BLVD	CANDIDATE	WIDEN 6F TO 8F	N/A	N/A	N/A	0.780			5,984	3,107	190	LOW
STA	R15.1	R16.8	10-0E560K	TUOLUMNE BLVD	Kansas Ave	CANDIDATE	WIDEN 6F TO 8F	N/A	N/A	N/A	0.910			6,242	3,241	190	LOW
STA	R16.8	R18.5	10-0E560K	KANSAS AVE	CARPENTER ROAD	CANDIDATE	WIDEN 6F TO 8F	N/A	N/A	N/A	0.920			6,737	3,498	190	LOW
STA	R18.5	R24.7	10-0E560K	CARPENTER ROAD	SAN JOAQUIN COUNTY LINE	CANDIDATE	WIDEN 6F TO 8F	N/A	N/A	N/A	0.920			23,155	12,023	190	LOW
STA	R11.3		10-0E560K	PINE STREET			RECONSTRUCT INTERCHANGE	N/A	N/A	N/A	0.830			2,799	108	2,600	HIGH
STA	15.6	17.5	10-403500	RTE 132	Kansas Ave.	PROGRAMMED	ROUTE 132 EXPRESSWAY INTERCHANGE RECONSTRUCTION	N/A	N/A	N/A	0.900			7,275	3,778	190	LOW
STA	R11.9		10-2A7701	CITY OF CERES AT WHITMORE OC		PROGRAMMED	RECONSTRUCT INTERCHANGE	N/A	N/A	N/A	0.830			6,645	2,953	230	LOW
STA	16.1		10-0H770K	SR-99 @ SR-132		CANDIDATE	MODIFY INTERCHANGE	N/A	N/A	N/A	0.920			2,648	1,375	225	LOW
STA	19.9		none	SR-99 @ STANDIFORD		CANDIDATE	MODIFY INTERCHANGE	N/A	N/A	N/A	1.030			8,345	4,333		LOW
STA	22.3	22.7	10-0L330K	KEIRNAN AVENUE		CANDIDATE	RECONSTRUCT INTERCHANGE	N/A	N/A	N/A	0.840			2,936	677	500	LOW
STA	20.8	21.4	10-472100	PELANDALE AVE		PROGRAMMED	MODIFY INTERCHANGE	N/A	N/A	N/A	0.980			1,065	740	230	LOW
STA	24.0	24.4	10-0L320K	HAMMETT ROAD		CANDIDATE	RECONSTRUCT INTERCHANGE	N/A	N/A	N/A	0.860			1,429	635	230	LOW
SJ	5.3	15.0	10-0E610K	SR-120 IN MANTECA	ARCH RD. IN S. STOCKTON	CANDIDATE	WIDEN 4F TO 6F	0.012	0.014	LOW	0.840	0.800	MED	22,725	10,100	230	LOW
SJ	15.0	18.6	10-3A1000	0.6 KM N. OF ARCH RD	0.2 KM S. OF RTE 4 WEST	PROGRAMMED	WIDEN TO 6 LANES	0.003	0.011	LOW	0.960	0.890	MED	9,583	4,259	230	LOW
SJ	16.4	17.5	none	SR-99 @ MARIPOSA RD. AND FARMINGTON		CANDIDATE	RECONSTRUCT AND COMBINE INTERCHANGES (STAGES 1 & 2)	N/A	N/A	N/A	0.910			3,123	1,622	190	LOW
SJ	23.5	24.5	10-0L140K	SR-99 @ MORADA LAN IN STOCKTON		CANDIDATE	RECONSTRUCT INTERCHANGE	N/A	N/A	N/A	0.840			842	41	2,060	HIGH
SJ	25.2	25.4	10-0L130K	SR-99 @ EIGHT MILE RD. IN STOCKTON		CANDIDATE	RECONSTRUCT INTERCHANGE	N/A	N/A	N/A	0.620			2,322	89	2,610	HIGH
SJ	28.3		none	HARNEY RD.	SACRAMENTO COUNTY LINE	CANDIDATE	WIDEN 4F TO 6F	0.011	0.016	LOW	0.660	0.700	LOW	12,914	2,980	430	LOW

1/9/2006

Figure B.4 Safety and Mobility Performance Measures for District 10

